

## **Heart Attack**

### **Performance Measures**

The heart attack data is a composite measure based on 7 individual indicators as reported on the CMS hospital compare website <http://www.hospitalcompare.hhs.gov>

<b>Acute Myocardial Infarction Quality Indicators Included in the Composite Measure</b>
Percent of patients given aspirin at arrival
Percent of patients given aspirin at discharge
Percent of patients given Beta blocker within 24 hours of arrival
Percent of patients given Beta-blocker at discharge
Percent of patients given ACE Inhibitor or ARB for Left Ventricular Systolic Dysfunction (LVSD)
Percent of patients given PCI within 120 minutes of hospital arrival
Percent of patients given thrombolytic medication within 30 minutes of hospital arrival

### **Methodology**

The numerators of all individual performance measures included for the condition are summed to determine the composite numerator. The denominators of all the individual performance measures included for the condition are summed to determine the composite denominator. The composite numerator is divided by the composite denominator to determine the composite performance rate. The state average rate is computed by summing all hospitals composite numerators and composite denominators, then dividing the numerator sum by the denominator sum.

### **Statistical Significance**

To determine if a rate is statistically significant, 95% confidence intervals were computed around each individual hospital rate and compared to the RI state average. The following table lists the statistical significance for each RI hospital's rates compared to the state average.

Heart Attack State Average, April 2007-March 2008: **98.1%**

<b>Rate is statistically higher than the state average</b>	<b>Rate (%)</b>	<b>Rate is statistically the same as the state average</b>	<b>Rate (%)</b>	<b>Rate is statistically lower than the state average</b>	<b>Rate (%)</b>
Landmark	99.1	South County	97.2	Kent County	95.5
Miriam	98.9	Westerly	96.1	Memorial	92.9
Rhode Island	99.6	Newport	97.6	Roger Williams	91.7
				St. Joseph's	95.3